**Supplementary tables**

**Supplementary Table 1: Prevalences of outcomes by year and sexuality**

|  |  |  |  |
| --- | --- | --- | --- |
|  | CMD  | Hazardous alcohol use | Illicit drugs in last year |
|  | 2007 | 2014 | overall | 2007 | 2014 | overall | 2007 | 2014 | overall |
|  | % (95% CI) | % (95% CI) | % (95% CI) | % (95% CI) | % (95% CI) | % (95% CI) | % (95% CI) | % (95% CI) | % (95% CI) |
| Heterosexual | 16.1 (14.9, 17.2) | 16.5 (15.4, 17.8) | 16.3 (15.5, 17.1) | 24.9 (23.6, 26.3) | 22.6 (21.2, 24.1) | 23.8 (22.9, 24.8) | 11.1 (10.1, 12.3) | 9.9 (8.8, 11.2) | 10.5 (9.8, 11.4) |
| Bisexual | 28.5 (16.4, 44.8) | 47.1 (35.1, 59.4) | 40.4 (31.0, 50.5) | 23.1 (11.7, 40.4) | 35.5 (24.2, 48.8) | 31.0 (22.3, 41.4) | 21.2 (10.5, 38.0) | 46.0 (33.6, 58.9) | 37.0 (27.6, 47.5) |
| Lesbian or gay | 22.8 (14.4, 34.2) | 24.5 (15.9, 35.9) | 23.8 (17.4, 33.6) | 47.6 (33.4, 62.2) | 30.3 (20.3, 42.6) | 37.4 (28.6, 47.1) | 30.4 (19.4, 44.1) | 21.7 (13.8, 32.5) | 25.3 (18.4, 33.7) |
| other | 21.8 (14.7, 31.1) | 29.4 (16.5, 46.8) | 24.8 (17.6, 33.6) | 24.0 (14.7, 36.6) | 16.4 (6.6, 35.3) | 21.0 (13.6, 30.8) | 5.9 (2.3, 14.4) | 12.5 (3.9, 33.2) | 8.5 (3.9, 17.5) |

**Supplementary Table 2: Association between sexuality and past year drug use (by age group)**

|  |  |  |
| --- | --- | --- |
|  | **aged 40 years and under** | **aged 41 years and over** |
| **Sexuality** | OR | 95% CI | OR | 95% CI |
| Heterosexual | Reference |  | Reference |  |
| Bisexual | 5.53 | (3.18, 9.60) | 5.30 | (2.35, 11.95) |
| Lesbian or gay | 1.68 | (0.93, 3.05) | 5.46 | (2.95, 10.09) |
| Other | 0.58 | (0.23, 1.47) | 1.25 | (0.42, 3.76) |
| **Year of data collection** |  |  |  |  |
| 2007 | Reference |  | Reference |  |
| 2014 | 0.81 | (0.66, 0.98) | 1.38 | (1.02, 1.88) |
|  |  |  |  |  |
| **Male gender** | 1.97 | (1.65, 2.37) | 2.17 | (1.62, 2.93) |
|  |  |  |  |  |
| **Educational attainment** |  |  |  |  |
| Degree | Reference |  | Reference |  |
| Teaching, HND, nursing | 0.94 | (0.60, 1.45) | 0.88 | (0.53, 1.48) |
| A Level | 1.31 | (1.00, 1.72) | 0.90 | (0.57, 1.43) |
| GCSE or equivalent | 1.32 | (1.02, 1.70) | 0.82 | (0.55, 1.22) |
| Foreign, other | 1.95 | (1.03, 3.71) | - |  |
| No qualification | 1.19 | (0.84, 1.71) | 0.86 | (0.56, 1.31) |
|  |  |  |  |  |
| **IMD quintile** |  |  |  |  |
| Least deprived | Reference |  | Reference |  |
| 2 | 1.07 | (0.76, 1.51) | 1.34 | (0.78, 2.31) |
| 3 | 1.56 | (1.12, 2.17) | 1.57 | (0.90, 2.74) |
| 4 | 1.64 | (1.18, 2.28) | 2.25 | (1.33, 3.81) |
| Most deprived | 1.58 | (1.13, 2.20) | 3.93 | (2.37, 6.53) |

**Supplementary Table 3: Association between sexuality and common mental disorder (for men and women separately)**

|  |  |  |
| --- | --- | --- |
|  | **Female** | **Male** |
| **Sexuality** | OR | 95% CI | OR | 95% CI |
| Heterosexual | Reference |  | Reference |  |
| Bisexual | 2.81 | (1.70, 4.65) | 2.54 | (0.87, 7.41) |
| Lesbian or gay | 1.26 | (0.65, 2.46) | 2.35 | (1.39, 3.98) |
| Other | 1.14 | (0.68, 1.90) | 2.14 | (0.98, 4.64) |
| **Year of data collection** |  |  |  |  |
| 2007 | Reference |  | Reference |  |
| 2014 | 1.13 | (0.98, 1.31) | 1.10 | (0.90, 1.34) |
|  |  |  |  |  |
| **Age** | 0.99 | (0.99, 1.00) | 1.01 | (1.00, 1.01) |
|  |  |  |  |  |
| **Educational attainment** |  |  |  |  |
| Degree | Reference |  | Reference |  |
| Teaching, HND, nursing | 1.54 | (1.14, 2.08) | 0.86 | (0.55, 1.33) |
| A Level | 1.37 | (1.09, 1.74) | 1.26 | (0.91, 1.75) |
| GCSE or equivalent | 1.68 | (1.38, 2.05) | 1.55 | (1.17, 2.05) |
| Foreign, other | 1.22 | (0.76, 1.97) | 1.02 | (0.51, 2.05) |
| No qualification | 1.92 | (1.53, 2.42) | 2.03 | (1.47, 2.79) |
|  |  |  |  |  |
| **IMD quintile** |  |  |  |  |
| Least deprived | Reference |  | Reference |  |
| 2 | 1.26 | (0.98, 1.61) | 1.29 | (0.89, 1.87) |
| 3 | 1.61 | (1.26, 2.07) | 1.95 | (1.40, 2.71) |
| 4 | 1.62 | (1.25, 2.10) | 1.81 | (1.28, 2.57) |
| Most deprived | 2.18 | (1.69, 2.81) | 2.37 | (1.70, 3.30) |

**Supplementary Table 4: Association between sexuality and hazardous alcohol use (for men and women separately)**

|  |  |  |
| --- | --- | --- |
|  | **Female** | **Male** |
| **Sexuality** | OR | 95% CI | OR | 95% CI |
| Heterosexual | Reference |  | Reference |  |
| Bisexual | 1.48 | (0.84, 2.61) | 1.81 | (0.81, 4.04) |
| Lesbian or gay | 2.09 | (1.05, 4.15) | 1.57 | (0.98, 2.51) |
| Other | 0.76 | (0.37, 1.54) | 1.00 | (0.48, 2.07) |
| **Year of data collection** |  |  |  |  |
| 2007 | Reference |  | Reference |  |
| 2014 | 0.98 | (0.83, 1.16) | 0.79 | (0.68, 0.92) |
|  |  |  |  |  |
| **Age** | 0.97 | (0.97, 0.98) | 0.99 | (0.98, 0.99) |
|  |  |  |  |  |
| **Educational attainment** |  |  |  |  |
| Degree | Reference |  | Reference |  |
| Teaching, HND, nursing | 0.73 | (0.52, 1.02) | 0.90 | (0.66, 1.22) |
| A Level | 1.04 | (0.81, 1.32) | 1.16 | (0.93, 1.44) |
| GCSE or equivalent | 1.02 | (0.82, 1.26) | 0.86 | (0.69, 1.06) |
| Foreign, other | 0.64 | (0.35, 1.17) | 0.80 | (0.47, 1.37) |
| No qualification | 1.03 | (0.78, 1.34) | 0.86 | (0.67, 1.11) |
|  |  |  |  |  |
| **IMD quintile** |  |  |  |  |
| Least deprived | Reference |  | Reference |  |
| 2 | 1.20 | (0.92, 1.56) | 1.07 | (0.85, 1.34) |
| 3 | 0.97 | (0.73, 1.28) | 1.08 | (0.86, 1.35) |
| 4 | 1.15 | (0.88, 1.49) | 1.09 | (0.85, 1.39) |
| Most deprived | 0.94 | (0.72, 1.24) | 0.98 | (0.77, 1.26) |

**Supplementary Table 5: Association between sexuality and past year drug use (for men and women separately)**

|  |  |  |
| --- | --- | --- |
|  | **Female** |  **Male** |
| **Sexuality** | OR | 95% CI | OR | 95% CI |
| Heterosexual | Reference |  | Reference |  |
| Bisexual | 4.72 | (2.63, 8.47) | 5.92 | (2.63, 13.34) |
| Lesbian or gay | 1.89 | (0.71, 5.05) | 3.14 | (1.78, 5.54) |
| Other | 0.57 | (0.17, 1.90) | 0.62 | (0.20, 1.93) |
| **Year of data collection** |  |  |  |  |
| 2007 | Reference |  | Reference |  |
| 2014 | 0.84 | (0.66, 1.07) | 0.90 | (0.72, 1.12) |
|  |  |  |  |  |
| **Age** | 0.94 | (0.92, 0.95) | 0.94 | (0.93, 0.95) |
|  |  |  |  |  |
| **Educational attainment** |  |  |  |  |
| Degree | Reference |  | Reference |  |
| Teaching, HND, nursing | 0.79 | (0.49, 1.29) | 0.95 | (0.57, 1.58) |
| A Level | 0.78 | (0.54, 1.13) | 1.12 | (0.81, 1.54) |
| GCSE or equivalent | 0.84 | (0.61, 1.17) | 1.01 | (0.73, 1.39) |
| Foreign, other | 0.49 | (0.16, 1.52) | 1.75 | (0.83, 3.69) |
| No qualification | 0.89 | (0.58, 1.37) | 1.14 | (0.78, 1.68) |
|  |  |  |  |  |
| **IMD quintile** |  |  |  |  |
| Least deprived | Reference |  | Reference |  |
| 2 | 1.31 | (0.83, 2.07) | 0.92 | (0.61, 1.38) |
| 3 | 1.67 | (1.08, 2.58) | 1.47 | (1.02, 2.13) |
| 4 | 1.79 | (1.15, 2.80) | 1.64 | (1.13, 2.39) |
| Most deprived | 1.95 | (1.27, 3.01) | 1.82 | (1.25, 2.64) |